

Abstract:

Rack-and-pinion steering system for motor vehicles

5 The invention relates to a rack-and-pinion steering system
(1) for motor vehicles, whose rack (12), which is mounted in
a housing (8) such that it is longitudinally displaceable
and kept in constant engagement with a pinion (9) by a
pressure piece (13), is connected at both ends to in each
10 case one steering tie rod (5, 6) in an articulated manner,
sealing bellows (19 and 20) being fastened on one side to
the housing (8) and on the other side to the longitudinally
displaceable steering rods (5, 6), and which steering system
(1) has a pressure compensation element (14) integrated in
15 the pressure piece (13).

Figure 2